



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Chang et al.

Serial No. 09/815,251

Filed: March 22, 2001

For: Water Dispersible Cationic Polymers,
A Method of Making Same and Items
Using Same

Art Unit: 1774

Examiner: Not Yet Assigned

1774
#4
2-28-02INFORMATION DISCLOSURE STATEMENTRECEIVED
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TC 1700Assistant Commissioner for Patents
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Respectfully submitted

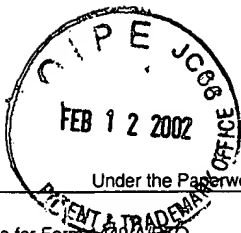
Robert E. Richards

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Our Docket: 11302-1040 (44040-251242)

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Substitute for Form 1001 PTO		Complete if Known	
		Application Number	09/815,251
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	March 22, 2001
		First Named Inventor	Chang et al.
		Group Art Unit	1774
		Examiner Name	
		Attorney Docket Number	11302-1040
Sheet	1	of	20

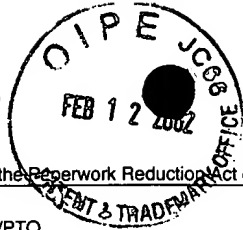
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Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	RE 25880		Cline	10/65	
	2	RE 28957		Drelich et al.	9/76	
	3	2,185,789		Jacque	1/40	
	4	2,265,913		Lilienfeld	12/41	
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	6	2,831,852		Savage	4/58	
	7	3,097,991		Miller et al.	7/63	
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	21	3,515,325		Kalwaites	6/70	
	22	3,521,638		Parrish	7/70	
	23	3,546,755		Lynch, Jr.	12/70	
	24	3,554,862		Hervey	1/71	
	25	3,561,447		Alexander	2/71	
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		Application Number	09/815,251
		Filing Date	3/22/01
		First Named Inventor	Chang et al.
		Group Art Unit	1771
		Examiner Name	
Sheet 2	of 13	Attorney Docket Number 11302-1040 (44040-251242)	

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	37	3,683,919		Ells	8/72	
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	42	3,753,826		Plummer	8/73	
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	54	3,882,869		Hanke	5/75	
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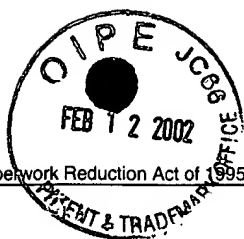
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	97	4,344,804		Bijen et al.	8/82	
	98	4,352,649		Jacobsen et al.	10/82	
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Attorney Docket Number	11302-1040 (44040-251242)

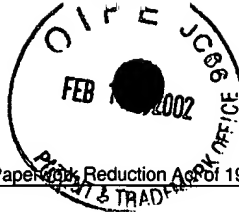
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	131	4,737,405		Bouchette	4/88	
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	147	4,998,984		McClendon	3/91	
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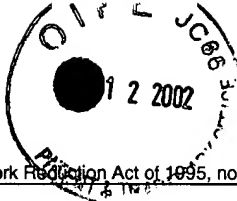
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Sheet	5	of	13	Attorney Docket Number	11302-1040 (44040-251242)

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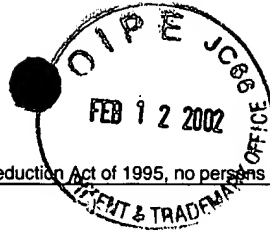
Sheet 6 of 13

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	202	5,334,176	A	Buenger et al.	8/94	
	203	5,346,541	A	Goldman et al.	9/94	
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Application Number	09/815,251
Filing Date	3/22/01
First Named Inventor	Chang et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	11302-1040 (44040-251242)

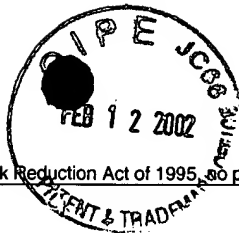
Sheet 7 of 13

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
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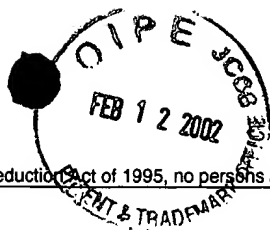
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U.S. PATENT DOCUMENTS

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Application Number	09/815,251
Filing Date	3/22/01
First Named Inventor	Chang et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	11302-1040 (44040-251242)

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	324	EP	1 050 297	A2	Fort James Corporation	8/00		
	325	EP	0 619 074	A1	Kimberly-Clark Corporation	10/94		
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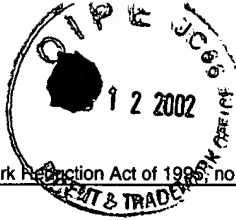
Sheet 10 of 13

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		Number	Kind Code ² (if known)			
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	331	WO	99/07273	A1	The Procter & Gamble Co.	2/99
	332	WO	99/01106	A1	Firmenich S.A.	1/99
	333	WO	01/13880	A1	Unilever PLC et al.	3/01
	334	WO	00/00026	A1	The Procter & Gamble Co.	1/00
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	336	CA	2057692		Isolyser. Co. -	10/92
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	347	EP	0 443 627	B1	Kimberly-Clark Worldwide	6/97
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	354	EP	0 552 762	B1	Minn. Min. & Manf. Co.	8/95
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
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	367	EP	0 639 381	A1	Kimberly-Clark Corporation	2/95		
	368	EP	0 648 871	A1	Kuraray Co.	4/95		
	369	EP	0 671 496	B1	BBA Nonwovens	4/99		
	370	EP	0 672 787	A2	James River Corp. of VA	9/95		
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	377	EP	0 766 755	B1	Acordis Fibres (Holdings)	12/99		
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	379	EP	0 768 425	A2	James River Corp. of VA	4/97		
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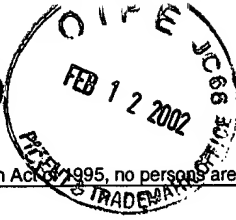
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		Group Art Unit	1771		
		Examiner Name			
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	404	WO	95/18191	A1	Eastman Chem. Corp.	7/95		
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	406	WO	96/30576	A1	Kimberly-Clark Tissue Co.	10/96		
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	417	WO	99/06523	A1	The Procter & Gamble Co.	2/99		
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Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	426	Patent Abstract Japan, JP 06-207324 (Unitka Ltd.), 7/26/94.	
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Examiner Signature		Date Considered	
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		Application Number	09/815,251		
		Filing Date	3/22/01		
		First Named Inventor	Chang et al.		
		Group Art Unit	1771		
		Examiner Name			
Sheet	13	of	13	Attorney Docket Number	11302-1040 (44040-251242)

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	430	Abstract Derwent WPI and JAPIO, JP 03-239709 (Lion Corp) 10/25/91	
	431	Carlsson et al., "Thermal Gelation of Nonionic Cellulose Ethers and Ionic Surfactants in Water", <i>Colloids and Surfaces</i> , Vol. 47, pp. 147-165 (1990).	
/	432	Abstract Derwent WPI, J: 1-306661 (Lion Corp) 12/11/89	
	433	Chowdhury et al., "Direct Observation of the Gelatin of Rodlike Polymers", <i>Poly. Mat. Sci. and Eng.</i> , Vol. 59, pp. 1045-1052 (9/88).	
	434	Abstract Derwent WPI and JAPIO, JP 63/139906 (Lion Corp.) 6/11/88	
	435	Nagura et al., "Temperature-Viscosity Relationships of Aqueous Solutions of Cellulose Ethers", <i>Kobunshi Ronbunshu</i> , Vol. 38 (3), pp. 133-137 (8/80).	
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	437	Govindan, T.S., "Process for Making Smooth Vapro-Permeable Microporous Sheet Material", <i>Defensive Publication</i> , Vol. T901 (007), (8/72).	
-	438	Kohlhammer, <i>Nonwovens Report International</i> , Vol. 342, pp. 20-22, 28-31 (9/99).	
	439	<i>Soap & Cosmetics</i> , Vol. 76(3), p. 12 (3/2000).	

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